



August 22, 2005 Project No. 2028-0031-01

Mr. Michael Smith California Regional Water Quality Control Board Central Valley Region 11020 Sun Center Drive Rancho Cordova, California 95670

Re: No Further Action Request, Nella Oil Company Station No. 31,

12008 Plaza Drive, Grass Valley, California

Dear Mr. Smith:

Stratus Environmental, Inc. (Stratus), on behalf of Nella Oil Company (Nella), is submitting this No Further Action Request (NFAR) for Nella Station No. 31 (the site), located at 12008 Plaza Drive, Grass Valley, California. In a letter dated July 27, 2005, the California Regional Water Quality Control Board (CRWQCB) stated that closure of the environmental case at this site appeared warranted, and that submission of the NFAR was necessary for a formal evaluation of case closure by CRWQCB personnel. The attached documents are in compliance with guidelines established by the CRWQCB in Appendix A of the Tri-Regional Board Recommendations for *Preliminary Investigation and Evaluation of Tank Sites* (April 2004).

If you have any questions, please call Jay Johnson at (530) 676-6000 or Scott Bittinger at (530) 676-2062.

Sutt Bithing

Project Manager

Sincerely,

STRATUS ENVIRON IĖNTAL. INC.

Johnson, P.G. enior Project Geologist

Attachment: No Further Action Request

cc: Ms. Barbara Wozniak, Nella Oil Company

Mr. Markus Niebanck, Nella Oil Company

Ms. Julia R. Amaral, Property Owner

Mr. David Huff, Nevada County Environmental Health Department

NO FURTHER ACTION REQUEST SUMMARY NELLA OIL COMPANY STATION 31 12008 PLAZA DRIVE GRASS VALLEY, CALIFORNIA CASE NUMBER: 290194 AUGUST 22, 2005

1.0 CHRONOLOGY

December 2001

Compliance soil sampling was completed during upgrading of the product line fuel delivery system at the site. The fuel additive methyl tertiary butyl ether (MTBE), and tertiary butyl alcohol (TBA), were reported in soil samples collected beneath a fuel dispenser at concentrations of 1.1 milligrams per kilogram (mg/Kg) and 2.9 mg/Kg, respectively.

Groundwater was also encountered during exposure of the upper portion of the underground storage tank (UST) cavity. Total petroleum hydrocarbons as gasoline (TPHG), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), and MTBE were reported in a grab groundwater sample collected in this area. A site plan illustrating the UST and fuel dispenser island locations is provided in Attachment 1.

November 2002

Five soil borings were advanced to characterize the lateral extent of subsurface petroleum hydrocarbon impact. Each boring was converted to a groundwater monitoring well (MW-1 through MW-5). Predominately fine grained soils (silts and clays) were encountered above decomposed granitic bedrock in each borehole. Bedrock was encountered at depths ranging from approximately 8 to 12 feet below ground surface (bgs). A geologic log of each well boring, well details, and a geologic cross section are provided in Attachment 2; well locations are included on the site plan provided in Attachment 1.

Soil samples were collected during the advancement of each well boring. MTBE was reported at concentrations ranging from 0.0022 mg/Kg (boring MW-3 at 9 feet bgs) to 0.04 mg/Kg (boring MW-1 at 10 feet bgs). A table summarizing soil analytical results is provided in Attachment 3.

February 2003

Prior to implementation of the site assessment activities in November 2002, Stratus was notified by the property owner (the Amaral Family) that a french drain was installed beneath the fueling station and the property south of the site in the late 1980's. The french drain consists of PVC piping that terminates in a storm drain inlet approximately 275 feet south of the service station. A figure illustrating the approximate location of the french drain is provided in Attachment 4.

The french drain outlet is visible from the ground surface. Stratus has periodically monitored the french drain outlet for the presence of discharged groundwater during various times of the year. Even following significant precipitation events, water has not been observed discharging from the french drain outlet to the storm drain.

Stratus purposely installed well MW-1 immediately adjacent to the french drain system in order to evaluate the possibility that a preferential pathway around french drain piping may exist. Based on available groundwater monitoring data (presented in Attachment 5), MTBE concentrations at well MW-1 are not significantly elevated relative to other wells impacted with MTBE (MW-2 and MW-3).

Groundwater Monitoring

On-site wells MW-1 through MW-3 are impacted with low concentrations of MTBE. Historical MTBE concentrations in groundwater have ranged from 5.1 micrograms per liter ($\mu g/L$) to 200 $\mu g/L$ (MW-1), <1.0 $\mu g/L$ to 91 $\mu g/L$ (MW-2), and 9.5 $\mu g/L$ to 24 $\mu g/L$ (MW-3). Concentrations of TPHG, BTEX, and other fuel additives have consistently been reported below laboratory detection limits for the monitoring well samples. Petroleum hydrocarbon concentrations have consistently been reported below laboratory detection limits for samples collected from off-site wells MW-4 and MW-5.

MTBE concentrations in wells MW-1 through MW-3 appear to be decreasing with time. The following table illustrates annual average MTBE concentrations for the three groundwater monitoring wells impacted with MTBE.

Well ID	2003 Annual Average MTBE Concentration	2004 Annual Average MTBE Concentration	2005 Annual Average MTBE Concentration (2 Sampling Events)
MW-1	76.6 μg/L	45.8 μg/L	16.1 μg/L
MW-2	37.7 μg/L	18 μg/L	7.8 μg/L
MW-3	19 μg/L	13.4 μg/L	11.5 μg/L

These data strongly suggest that dissolved MTBE concentrations beneath the site are attenuating. At the time of the most recent groundwater sampling event (June 3, 2005), MTBE concentrations in the monitoring wells ranged from 5.1 μ g/L to 11 μ g/L, below the primary maximum contaminant level (13 μ g/L) established by the State of California for MTBE.

Depth to groundwater in the on-site monitoring wells has ranged from approximately 4.5 to 7.5 feet bgs since monitoring was initiated in November 2002. The groundwater flow direction has been reported to the west and southwest at gradients ranging from 0.013 ft/ft to 0.025 ft/ft. Historical groundwater elevation contour maps are provided in Attachment 6.

Risks to Human Health

Low concentrations of residual and dissolved petroleum hydrocarbons are situated beneath a ground surface paved with asphalt and concrete. These paving materials are not impervious to soil vapors, but the potential exposure risk associated with volatilization of petroleum hydrocarbon vapors to indoor or outdoor air is unlikely to represent an exposure risk. Normal surface air movement is likely to dilute and remove impacted soil vapors from the site before concentrations reach risk levels.

Stratus reviewed Department of Water Resources (DWR) well completion records for the area surrounding the site in November 2002. A figure illustrating the approximate location of three water supply wells reportedly installed within 2,000-feet of the site, and a table summarizing information regarding construction of these wells, are provided in Attachment 7. Each of these water supply wells appear to have been installed at least 1,700 feet from the site. Stratus also completed a reconnaissance of the area within a 500-foot radius of the site; no water supply wells were located in the search.

Since water has consistently not been observed at the discharge point of the french drain, petroleum hydrocarbon impact beneath the site does not appear to impact surface water present within the storm drain systems in the site vicinity.

Given the distance of water supply wells from the site, and the limited extent of MTBE impact to groundwater, and that surface water does not appear to be impacted from petroleum hydrocarbons originating from beneath the site, dissolved petroleum hydrocarbon impact identified beneath the site appears to pose little risk to human health.

2.0 LOW RISK GROUNDWATER CRITERIA

2.1 The leak has been stopped and sources, including free product, have been removed or remediated:

Hazardous substance release mechanisms must be identified, if possible, and the release must be sufficiently abated so as to prevent ongoing pollution.

If the release was from a petroleum underground storage tank, the tank or appurtenant structure that leaked must be repaired or permanently closed per Article 7, Section 2672 of the UST regulations. Free product shall be removed to the extent practicable per Article 5, Section 2655 of the UST regulations.

Soil that contains sufficient mobile constituents (leachate, vapors, or NAPL), as determined by the site-specific plume characteristics and soil analytical data, to continue to degrade water, or result in a significant threat to human health, should be considered a source.

The product delivery system was replaced in 2001. Free product has not been observed beneath the site. Concentrations of petroleum hydrocarbons in groundwater currently meet water quality objectives; active remediation activities are not warranted.

2.2 The site has been adequately characterized.

The vertical and lateral extent of the subsurface impact must be defined to the degree that is necessary to evaluate whether the site currently poses, or in the future may pose, a significant threat to human health, waters of the State, or other nearby sensitive receptors. The level of detail required at a given site will depend upon the contaminant(s) of concern, the types of potential receptors, and exposure pathways, and the proximity of other potential receptors.

It is assumed that subsurface conditions are highly variable and that there is always some uncertainty associated with evaluating data at a site. However, the cost of obtaining additional data must be weighed against the benefit of obtaining that data and the effect the data may have on the certainty of decisions to be made at the site.

The presence or absence of horizontal and vertical conduits that could act as preferential pathways for contaminant migration should be evaluated as a part of the site characterization process. Vertical gradient evaluation may be necessary.

Given the low petroleum hydrocarbon concentrations in groundwater, further site characterization activities are not warranted.

2.3 The contaminant plume is not migrating and chemical concentrations in groundwater are projected to meet water quality objectives through natural attenuation or engineered solutions prior to the beneficial use of groundwater.

If groundwater within the plume is likely to be used before natural attenuation or engineered solutions are projected to complete the cleanup, then active or additional remediation may be required.

Plumes often display short-term variability in groundwater concentrations. These effects are due to changes in groundwater flow, degradation rates, sampling procedures, and other factors that are inherently variable. This variability should not necessarily be construed as evidence of plume migration or degradation. This site characterization database must support the conclusion that a plume is degrading or not migrating.

Petroleum hydrocarbon impact to groundwater appears to be stable and attenuating. At the time of the most recent sampling event (June 3, 2005), MTBE was reported in samples collected from wells MW-1 through MW-3 at concentrations ranging from 5.1 μ g/L to 11 μ g/L. Given that the State of California has established a primary maximum contaminant level (MCL) of 13 μ g/L for MTBE, groundwater concentrations beneath the site appear to meet water quality objectives.

2.4 No other waters of the State, water supply wells or other sensitive receptors are likely to be impacted.

Water supply wells include municipal, local service or private wells, agricultural and industrial wells. Central Valley aquifers generally are not segregated into discrete units, but are subject to vertical and horizontal migration of water and any pollutants carried by or in the water, often by local pumping.

Surface water in the vicinity of the site (Olympia Creek) is routed through subsurface concrete lined storm drains. The french drain outlet into this storm drain has consistently been observed to not discharge groundwater. Given these observations, surface water in the site vicinity appears unlikely to be impacted from subsurface petroleum hydrocarbon impact originating from beneath the site.

No water supply wells appear to have been installed within approximately 1,700 feet of the site. Given the low dissolved petroleum hydrocarbon concentrations beneath the site, the limited extent of the petroleum hydrocarbon impact, and distance from the site, water supply wells in the surrounding area are unlikely to be affected by any dissolved petroleum hydrocarbons remaining beneath the site property.

2.5 The site presents no significant risk to human health or safety.

Remaining site conditions shall not exceed a hazard index of one, a one-in-one-million excess cancer risk (10⁻⁶) for residential receptors and a one-in-one-hundred-thousand (10⁻⁵) excess cancer risk for commercial receptors (including construction workers). Site representative concentrations shall either be the maximum reported concentration, the 95% upper confidence level, or the area

weighted average, as appropriate. At a minimum, exposure pathways to be considered shall include surface soil and groundwater ingestion, and surface soil, subsurface soil, and groundwater volatilization to indoor and outdoor air (via basements, buildings, subsurface utilities, etc.).

<u>Note</u>: The Responsible Party is required to demonstrate the acceptability of the model(s) used to determine the human health risk.

None of the identified exposure pathways are likely to be complete.

3.0 CV-RWQCB APPENDIX B CHECKLIST

3.1 For groundwater-impacted sites, distance to production wells for municipal, domestic, agriculture, industry, and other uses within 2,000 feet of the site;

Attached.

3.2 Site maps, to scale, of area impacted showing locations of former and existing tank systems, excavation contours and sample locations, borings and monitoring well elevation contours, gradients, and nearby surface waters, buildings, streets, and subsurface utilities;

Attached.

3.3 Figures depicting lithology (cross sections), treatment system diagrams;

Attached.

3.4 Stockpiled soil remaining on-site or offsite disposal (quantity);

No stockpiled or drummed soil remains on-site.

3.5 *Monitoring wells remaining on-site, fate;*

Five groundwater monitoring wells installed for this facility remain in place. The wells will remain in place until sampling is no longer required.

3.6 *Tabulated data of all groundwater elevations and depth to water;*

Attached.

- 3.7 *Tabulated results of all sampling and analysis;*
 - Detection limits for confirmation sampling
 - Lead analyses

Analytical results for petroleum hydrocarbon compounds are attached. Lead analyses are only known to have occurred during compliance soil sampling; total lead was reported at a concentration of 1.09 mg/Kg.

- 3.8 Concentration contours of contaminants found and those remaining in soil and groundwater; both on-and off-site;
 - Lateral extent of soil contamination
 - Vertical extent of soil contamination
 - Lateral extent of groundwater contamination
 - *Vertical extent of groundwater contamination*

Not completed. Soil analytical data is limited due to the presence of shallow bedrock beneath the site. Available soil analytical data represents analyses performed on samples collected near or below the shallow groundwater surface beneath the site.

The low concentrations of MTBE is shallow groundwater do not appear to warrant contouring. The vertical extent of groundwater contamination was not evaluated due to the presence of bedrock and the limited extent of impact to shallow groundwater.

3.9 Zone of influence calculated and assumptions used for the subsurface remediation system and the zone of capture attained for the soil and groundwater remediation systems.

Not completed.

- 3.10 *Reports/information*
 - Unauthorized Release Form
 - Quarterly monitoring reports
 - Problem Assessment Report
 - Final Remediation Plan
 - Well and borings logs
 - Other

All documents should be on file with the Nevada County Health Department and the Central Valley Regional Water Quality Control Board.

3.11 *Best Available Technology (BAT) used or an explanation for not using BAT;*

Not completed.

3.12 *Reason why background was/is attainable using BAT;*

Current levels are protective.

3.13 *Mass balance calculation of the substance treated versus that remaining;*

Not completed.

3.14 Assumptions, parameters, calculations and model used in risk assessments, and fate and transport modeling.

Not completed.

3.15 Rationale why conditions remaining at the site will not adversely impact groundwater quality, health, or other beneficial uses; and

Low concentrations of residual and dissolved petroleum hydrocarbons are situated beneath a ground surface paved with asphalt and concrete. These paving materials are not impervious to soil vapors, but the potential exposure risk associated with volatilization of petroleum hydrocarbon vapors to indoor or outdoor air is unlikely to represent an exposure risk. Normal surface air movement is likely to dilute and remove impacted soil vapors from the site before concentrations reach risk levels.

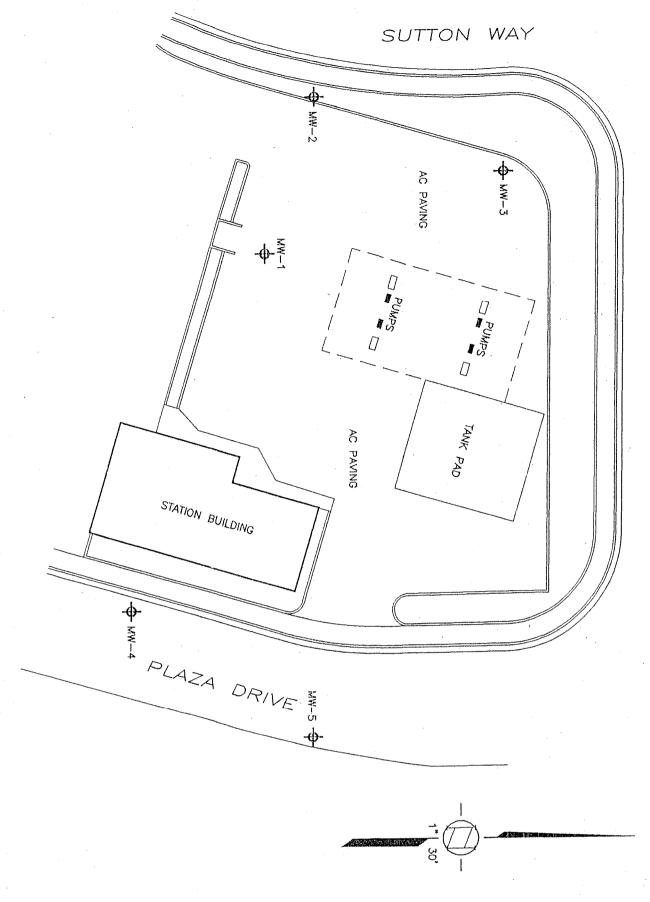
3.16 Waste Extraction Test (WET) or TCLP results.

Not completed.

ATTACHMENT 1

Monitoring Well Exhibit Prepared for: Stratus Environmental, Inc.

BRUNSWICK ROAD



DESCRIPTION MW-1 MW-2 MW-3 MW-4 MW-4
NORTHING 2212734.6 2212750.3 2212809.8 2212692.4 2212749.6
EASTING 6835375.9 6835326.5 6835350.7 6835488.0 6835527.6
ELEV (PVC) 2622.22 2621.40 2622.25 2623.40 2623.95
ELEV (RIM) 2622.59 2621.44 2622.57 2623.63 2624.21

BASIS OF BEARINGS AND ELEVATIONS:

DORDINATES ARE CALIFORNIA STATE PLANE ZONE 2 COORDINATES ROM GPS OBSERVATIONS USING UNIVERSITY OF CALIFORNIA BAY REA DEFORMATION CORS STATION OBSERVATION FILES AND BASED IN THE CALIFORNIA SPATIAL REFERENCE CENTER DATUM, REFERENCE POCH 2000.35.

COORDINATE DATUM IS NAD 83(1988) DATUM ELLIPSOID IS GRS80 REFERENCE GEOID IS NGS96

CAL DATUM IS FROM NEVADA COUNTY BENCH MARK NUMBER ELEVATION 2620.65 FEET.

Flyers Fueling Station #31 1008 Plaza Drive Grass Valley Nevada County California

SCALE IN FEET



1450 Harbor Blyd. Ste. D West Sacramento California 95691 (916) 372-8124

Date: 11/13/02
te. D | Scale: 1"=30"
| Sheet 1 of 1

Field Book: MM-6 Dwg. No. 7502-016

tom@morrowsurveying.com

ATTACHMENT 2

Client	Nella Oil	Date 11/5/02						
Address	1008 Plaza Drive	Drilling Company <u>Woodward Drilling</u> rig type: BK-81 Driller Frank Ramirez						
	Grass Valley, California							
Project No.	2028-0031-01	Method Hollow Stem Auger	hole diam.: 8"					
Logged By:	M. H. Adsetts							
Well Pack	sand: 4.5 ft, to 20 ft.	Well Construction casing: PVC	screen interval: 5'-20'					
	bent.: 2.5 ft. to 4.5 ft.	casing diam.: 2"	screen slot size: 0.02"					
	grout: 0 ft. to 2.5 ft.	Depth to GW: Virst encountered gro	oundwater static groundwater					

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								Asphalt	
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			12:45	20	'	,		COBBLES	
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		3 3				- ,	SM	SILTY SAND, 5-10% coarse sands, gray green, trace rock fragments, damp,	
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Client	Nella Oil	Date 11/5/02							
Address	1008 Plaza Drive	Drilling Company Woodward Drilling rig type: BK-81							
	Grass Valley, California	Driller Frank Ramirez							
Project No. 2028-0031-01		Method Hollow Stem Auger hole diam.: 8"							
Logged By:	M. H. Adsetts								
Well Pack	sand: 4 ft. to 19.5 ft.	Well Construction casing: PVC screen interval: 4.5'-19.5'							
	bent.: 2 ft. to 4 ft.	casing diam.: 2" screen slot size: 0.02"	·						
	grout: 0 ft. to 2 ft.	Depth to GW: Virst encountered groundwater static groundwater							

S	ample	Blow	Sar	nple	Well Constru	Depth	LITHO	Descriptions of Materials	PID
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								Comments: Total depth of boring is 19.5 feet bgs. Set well.	
								ENVIRONMENTAL INC	

Client	Nella Oil	Date 11/5/02
Address	1008 Plaza Drive	Drilling Company Woodward Drilling rig type: BK-81
	Grass Valley, California	Driller Frank Ramirez
Project No.	2028-0031-01	Method Hollow Stem Auger hole diam.: 8"
_ogged By:	M. H. Adsetts	
Well Pack	sand: 4.5 ft. to 20 ft.	Well Construction casing: PVC screen interval: 5'-20'
	bent.: 2.5 ft. to 4.5 ft.	casing diam.: 2" screen slot size: 0.02"
	grout: 0 ft. to 2.5 ft.	Depth to GW: Trist encountered groundwater static groundwater

s	ample	Blow	Sar	nple	Well	Depth	1110	Descriptions of Materials	PID
Туре	No.	Count	Time	Recov.		Scale	LITHO COLUMN	and Conditions	(PPM)
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			 		,	1		Roadbase	
							ML	SILT with COBBLES	
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s	MW3-6	3 3	15.45	40			ML	CLAYEY SILT, red-brown, dry, stiff	0
		9			V		CL	SILTY CLAY, gray green, damp, stiff	
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S	MW3-9	16	15.50	95		9	В	Decomposed granodiorite, green gray, dry, stiff	N/A
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Boring No. MW-4

Sheet <u>1</u> of <u>1</u>

Client	Nella Oil	Date 11/5/02	
Address	331 Brunswick Rd.	Drilling Company Woodward Drilling	rig type: BK-81
	Grass Valley, California	Driller Frank Ramirez	
Project No.	2028-0031-01	Method Hollow Stem Auger	hole diam.: 8"
Logged By:	Scott Bittinger	·	
Well Pack	sand: 4 ft. to 20 ft.	Well Construction casing: PVC	screen interval: 5'-20'
	bent.: 3 ft. to 4 ft.	casing diam.: 2"	screen slot size: 0.02"
	grout: 0 ft. to 3 ft.	Depth to GW: $\overline{\ \ }$ first encountered g	roundwater static groundwater

s	ample	Blow	Sar	nple	Well	Depth		Descriptions of Materials	PID
Туре		Count		Recov.	Constru ct.	Scale	COLUMN	and Conditions	(PPM)
								Asphalt	1 1 1 1 1 1 1
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						- ₂		SILT with COBBLES	
						_ 3	ML	CLAYEY SILT, yellow brown, dry, stiff	
						4			
			†		1		CL	SILTY CLAY, brown, dry, medium stiff	
			ļ			5		***************************************	
S	MW4-6	8 8	9.05	50		e	CL	SILTY CLAY, brown, dry, medium stiff, 5% rock fragments	
	11/1/4-0	9	9.03	30	┪.			SILT CLAT, blown, dry, medium sun, 5% fock fragments	4
]	_ 7			
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		12	 			1 0	ML	SILT 10'-10.8', yellow brown, trace white calcite, dry, stiff	
S	MW4-11	17	9.12	75		1 1	IVIL	SILT 10-10.6, yellow blown, trace write carcile, dry, still	0
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s	MW4-15	55 (6)	9.21	40	-	1 1 5	В	Decomposed granodiorite, dry	N/A
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						*		Comments: Total depth of boring is 20 feet bgs. Set well.	
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Client	Nella Oil	Date 11/5/02						
Address 331 Brunswick Road		Drilling Company Woodward Drilling rig type: BK-81						
	Grass Valley, California	Driller Frank Ramirez						
Project No.	2028-0031-01	Method Hollow Stem Auger hole diam.: 8"						
Logged By:	M.H. Adsetts							
Well Pack	sand: 4.5 ft. to 20 ft.	Well Construction casing: PVC screen interval: 5'-20'						
	bent.: 2.5 ft. to 4.5 ft.	casing diam.: 2" screen slot size: 0.02"						
	grout: 0 ft. to 2.5 ft.	Depth to GW: V first encountered groundwater v static groundwater						

<u> </u>	ample	Blow	Sar	nple	Well Constru	Depth	LITHO	Descriptions of Materials	PID
уре	No.	Count	Time	Recov.			COLÚMN	and Conditions	
								Asphalt	(PPM
						1		Roadbase	
			T		1		·	1700dbaoo	
			10.30			2	ML	CLAYEY SILT, yellow brown, dry, stiff, 5% rock fragments	
·			1		1			OCATET OILT, yellow brown, dry, still, 5% rock tragments	
						- 3			
			 -		1		*		
							CL	CHTV CLAV rod brown dr. asset 2007 1.5	
			+		4		OL	SILTY CLAY, red brown, dry, stiff, 30% rock fragments	
		50 (6)	10.40	25	1		CL	CITY OLAV rad beautiful and officer to the	
		30 (0)	10.40	25				SILTY CLAY, red brown, dry, stiff, 25% rock fragments	
			 		1	6	. ا		
l					V		and the same	·	
				ļ 	1	— '			
l		40						The state of the s	
		19			4	8			
	ADAM O	21	10.1=				ML	CLAYEY SILT, gray green (GLEY1-5/2), dry, medium stiff, trace	
5	MW5-9	27	10.45	75	1	9		decomposed granodiorite	0
					-				
				L	1	1 0			
		9				1			
		9			1	1 1			
S	MW5-11	12	10.50	70			В	Decomposed granodiorite, gray green with 20% red silt, dry, stiff	N/A
] .	1 2		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 477 (
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			T		1	l		# 46400000000000000000000000000000000000	
		50 (3)	11.00	20	1	1 5	В	Decomposed granodiorite, dry, hard	N/A
			1		1				14/A
- 1						1 6			
		**********			1				
						1 7			
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						2 0			
			1		1	2 0	· · · ,		
								Commente: Total double of having to 00 fe (1)	
								Comments: Total depth of boring is 20 feet bgs. Set well.	
							İ		
								ENVIRONMENTAL, INC.	
							1		

WELL DETAIL	S
PROJECT NUMBER 2028-31-1	BORING/WELL NO. MW-1
PROJECT NAME Nella Oil Station 31	
LOCATION 1008 Plaza Dr., Grass Valley	g GROUND SURFACE ELEV2622.59!
WELL PERMIT NO. 21-00513	DATUM Nevada County BM 3001
	INSTALLATION DATE 11-5-02
d G-5 VAULT BOX(STD.) A B C C C C C C C C C C C C	EXPLORATORY BORING o. TOTAL DEPTH
BENTONITE CONCRETE	k. BOTTOM SEAL
CEMENT SAND	
PERFORATION	
NOT TO SCALE	
PREPARED BY	. DATE
2505000	

WELL DETAILS PROJECT NUMBER 2028-31-1 BORING/WELL NO. MW-2 TOP OF CASING ELEV. 2621.40' PROJECT NAME Nella Oil Station 31 LOCATION 1008 Plaza Dr., Grass Valley GROUND SURFACE ELEV. 2621.44' DATUM Nevada County BM 3001 WELL PERMIT NO. 21-00513 INSTALLATION DATE 11-5-02 EXPLORATORY BORING <u>19.</u>5 ft. o. TOTAL DEPTH 8 in, - b. DIAMETER --TOC(TOP OF CASING) DRILLING METHOD hollow stem auger G-5 VAULT BOX(STD.) WELL CONSTRUCTION c. TOTAL CASING LENGTH 19.5 ft. MATERIAL schedule 40 pvc d. DIAMETER _____ 2 in.

BENTONITE	CONCRETE
[] CEMENT	SAND
NOT TO SCALE	PERFORATION

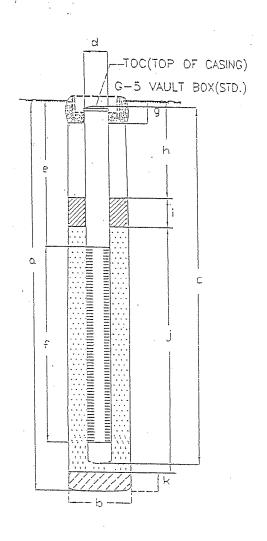
e. DEPTH TO TOP PERFORATIONS 4.5 ft.
f. PERFORATED
INTERVAL FROM 4.5 TO 19.5 ft.
PERFORATION TYPE Slotted
PERFORATION SIZE 0.02"
g. SURFACE SEALO'-1'
SEAL MATERIAL <u>concrete</u>
h. BACKFILL 1'-2'
BACKFILL MATERIAL neat cement
1. SEAL 2'-4'
SEAL MATERIAL <u>bentonite</u>
j. FILTER PACK 4'-19.5'
FILTER PACK MATERIAL #3 sand
k. BOTTOM SEAL <u>none</u>
SEAL MATERIAL

PREPARED	ΒY	DATE	
REVIEWED	BY	DATE	

WELL DETAILS

PROJECT NUMBER 2028-31-1 PROJECT NAME Nella Oil Station 31 LOCATION 1008 Plaza Dr., Grass Valley GROUND SURFACE ELEV. 2622.57' WELL PERMIT NO. 21-00513

BORING/WELL NO. ____MW-3 TOP OF CASING ELEV. 2622.25' Nevada County BM 3001 INSTALLATION DATE 11-5-02



BENTONITE .	CONCRETE
[] CEMENT	SAND
	PERFORATION
NOT TO SCALE	

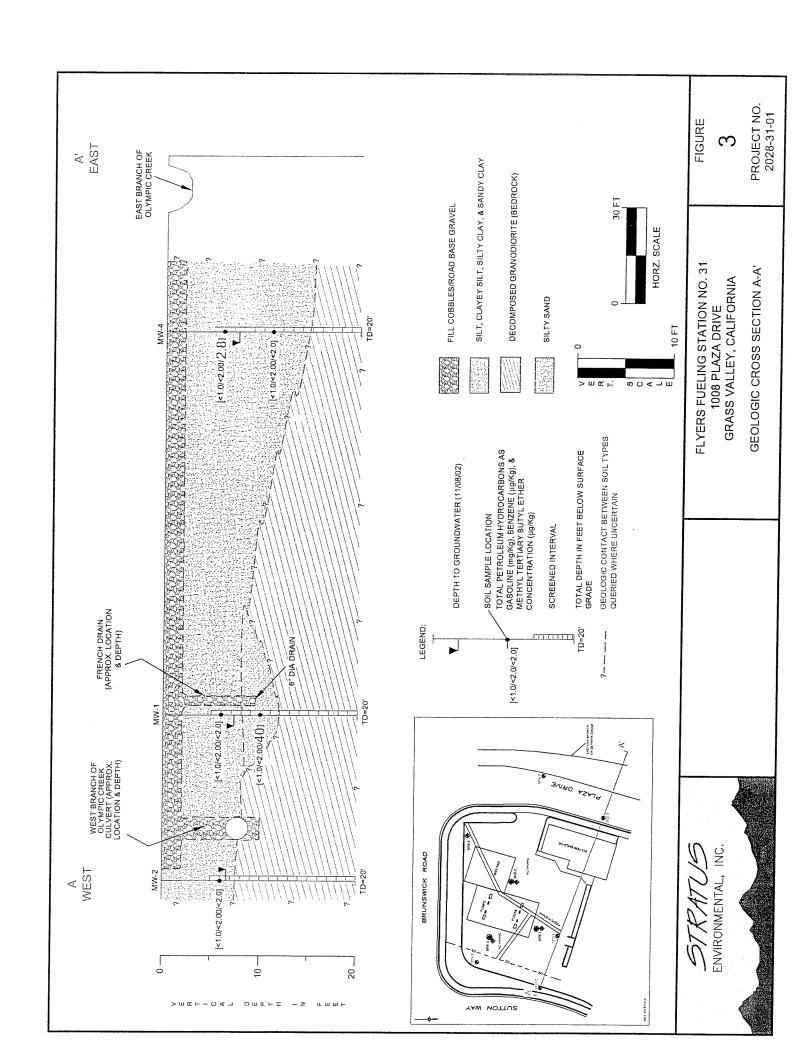
EXPLORATORY BORH	NG	.*
o. TOTAL DEPTH	20	_ft.
b. DIAMETER	8	_in.
DRILLING METHOD ho	llow ste	m auger
WELL CONSTRUCTION	<u>DN</u>	
c. TOTAL CASING LENG	тн _20	ít.
MATERIAL sc <u>hed</u>	ule 40 p	vvc
d. DIAMETER		2 in.
e. DEPTH TO TOP PER	FORATIONS	<u>5</u> ft.
f. PERFORATED		
INTERVAL FROM 5		
PERFORATION TYPE		
PERFORATION SIZE g. SURFACE SEAL	0:02"	
SEAL MATERIAL . CO		
h. BACKFILL		
BACKFILL MATERIAL 2.	neat ce	ment
i. SEAL 2.	5'-4.5'	
SEAL MATERIALbe	entonite	
j. FILTER PACK	4.5'-20	1
FILTER PACK MATERIA		
k. BOTTOM SEAL	one	
SEAL MATERIAL.		

PREPARED BY ______ DATE _ REVIEWED BY ______DATE

PROJECT NUMBER 2028-31-1	BORING/WELL NO. MW-4
PROJECT NAME <u>Nella Oil Station 31</u>	
LOCATION 331 Brunswick Rda, Grass Va	
WELL PERMIT NO21-00514	DATUM Nevada County BM 3001
	INSTALLATION DATE 11-5-02
Welliinstalled on Plaza Drive, a private road located on a land parcel identified as 331 Brunswick Road. d -TOC(TOP OF CASING) G-5 VAULT BOX(STD.) p h e e immunumumumumumumumumumumumumumumumumumu	EXPLORATORY BORING o. TOTAL DEPTH 20 ft. b. DIAMETER 8 in. DRILLING METHOD hollow stem auge WELL CONSTRUCTION c. TOTAL CASING LENGTH 20 ft. MATERIAL Schedule 40 PVC d. DIAMETER 2 in. e. DEPTH TO TOP PERFORATIONS 5 ft. f. PERFORATED INTERVAL FROM 5 TO 20 ft. PERFORATION TYPE SLOTTED PERFORATION SIZE 0.02" g. SURFACE SEAL 0'-1' SEAL MATERIAL CONCRETE h. BACKFILL MATERIAL neat cement i. SEAL 3'-4' SEAL MATERIAL bentonite j. FILTER PACK MATERIAL #3 sand
BENTONITE CONCRETE CEMENT SAND PERFORATION	k. BOTTOM SEAL
NOT TO SCALE	
	·
PREPARED BY	DATE
REVIEWED BY	DATE

WELL DETAILS

WELL DETAIL	S
PROJECT NUMBER 2028-31-1	BORING/WELL NOMW-5
PROJECT NAME <u>Nella Oil Station 3</u> 1	TOP OF CASING ELEV2623.95 '
LOCATION 331 Brunswick Rda, Grass Va	
WELL PERMIT NO. 21-00514	DATUM Nevada County BM 3001
	INSTALLATION DATE 11-5-02
Welliinstalled on Plaza Drive, a private road located on a land parcel identified as 331 Brunswick Road. d —TOC(TOP OF CASING) G-5 VAULT BOX(STD.) h e BENTONITE CEMENT SAND PERFORATION NOT TO SCALE	EXPLORATORY BORING o. TOTAL DEPTH
PREPARED BY	DATE
REVIEWED BY	DATE



ATTACHMENT 3

TABLE 1
Soil Analytical Results
Nella Oil Station 31
1008 Plaza Drive
Grass Valley, California
November 5, 2002

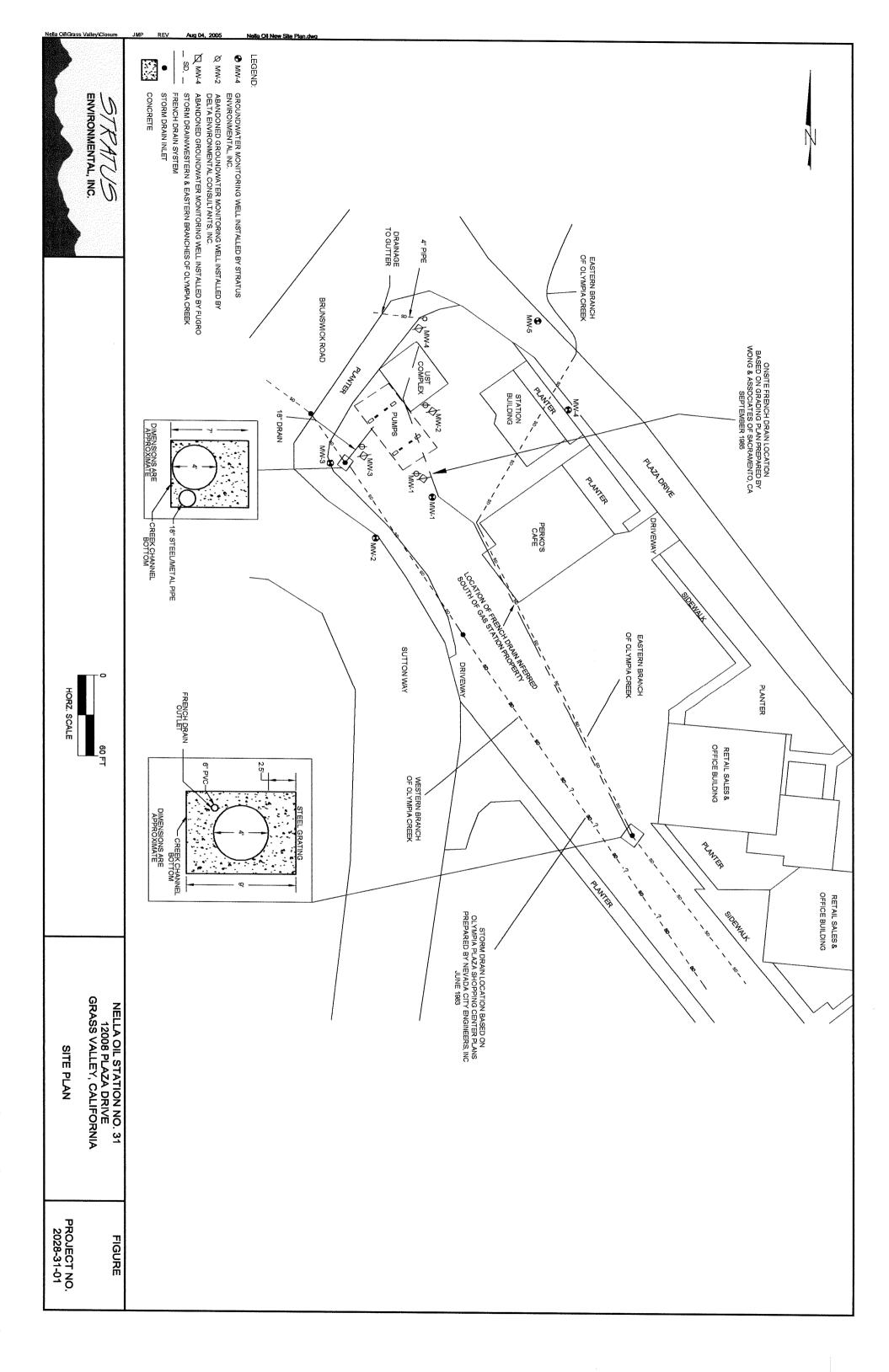
Sample ID	Sample Depth (feet bgs)	TPHG (mg/Kg)	Benzene (µg/Kg)		Toluene Ethylbenzene Xylenes (µg/Kg) (µg/Kg)	Xylenes ¹ (µg/Kg)	MTBE (µg/Kg)	TBA (µg/Kg)	DIPE (µg/Kg)	ETBE (μg/Kg)	TAME (µg/Kg)
Boring MW-1	<u>V-1</u>										
MW1-6	9	<1.0	<2.00	<2.00	<2.00	<2.00	<2.0	<10	<5.0	<5.0	<5.0
MW1-10	10	<1.0	<2.00	<2.00	<2.00	<2.00	40	<10	<5.0	<5.0	<5.0
Boring MW-2	<u>V-2</u>										
MW2-6	9	<1.0	<2.00	<2.00	<2.00	<2.00	<2.0	<10	<5.0	<5.0	<5.0
Boring MW-3	V-3										
MW3-6	9	<1.0	<2.00	<2.00	<2.00	<2.00	14	<10	<5.0	<5.0	<5.0
MW3-9	6	<1.0	<2.00	<2.00	<2.00	<2.00	2.2	<10	<5.0	<5.0	<5.0
MW3-10	10	<1.0	<2.00	<2.00	<2.00	<2.00	5.2	<10	<5.0	<5.0	<5.0
Boring MW-4	V-4						•				-
MW4-6	9	<1.0	<2.00	<2.00	<2.00	<2.00	2.8	<10	<5.0	<5.0	<5.0
MW4-11	11	<1.0	<2.00	<2.00	<2.00	<2.00	<2.0	<10	<5.0	<5.0	<5.0
Boring MW-5	7-5										
MW5-9	6	<1.0	<2.00	<2.00	<2.00	<2.00	<2.0	<10	<5.0	<5.0	<5.0
MW5-11	11	<1.0	<2.00	<2.00	<2.00	<2.00	<2.0	<10	<5.0	<5.0	<5.0

TABLE 1 Soil Analytical Results Nella Oil Station 31 Grass Valley, California 1008 Plaza Drive

November 5, 2002

Sample ID	Sample Sample Depth TPHG Benzene Toluene Ethylbenzene Xylenes 'MTBE TBA DIPE ETBE TAME ID (feet bgs) (mg/Kg) (µg/Kg) (µg/Kg) (µg/Kg) (µg/Kg) (µg/Kg) (µg/Kg) (µg/Kg) (µg/Kg)	TPHG (mg/Kg)	Benzene (μg/Kg)	Toluene (µg/Kg)	TPHG Benzene Toluene Ethylbenzene Xylenes' MTBE TBA DIPE ETBE TAME (mg/Kg) (µg/Kg) (µg/Kg) (µg/Kg) (µg/Kg) (µg/Kg) (µg/Kg) (µg/Kg)	Xylenes ¹ (µg/Kg)	MTBE (μg/Kg)	TBA (μg/Kg)	DIPE (µg/Kg)	ETBE (µg/Kg)	TAME (μg/Kg)
Explanation TPHG = Total pet MTBE = Methyl t DIPE = Di-isoprop TBA = Tertiary bt ETBE = Ethyl tert TAME = Tertiary 1 = Total Xylenes mg/kg = microgran	Explanation TPHG = Total petroleum hydrocarbons as gasoline MTBE = Methyl tert-butyl ether DIPE = Di-isopropyl ether TBA = Tertiary butyl alcohol ETBE = Ethyl tert butyl ether TAME = Tertiary amyl methyl ether 1 = Total Xylenes nig/kg = milligrans per kilogram µg/kg = micrograms per kilogram	rocarbons a her her /1 ether ram ram	1s gasoline		<u>Analytical Methods</u> TPHG = EPA Method 8015 Modified DHS BTEX, MTBE, TBA, TAME, DIPE, and ETBE = EPA Method 8260B Analytical Laboratory Sparger Technology, Inc. (ELAP #1614)	cethods C. Method 8 E, TBA, T. aboratory uology, Inc	015 Modi AME, DIF (ELAP #	fied DHS PF, and ET #1614)	'BE = EP.	A Method	8260B

ATTACHMENT 4



ATTACHMENT 5

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Nella Oil Company Station No. 31
12008 Plaza Drive, Grass Valley, CA

Date Water Well Elevation Elevation GRO Benzene Toluenee Ethylbenzene X Collected (feet) (ft msl) (ft msl) (ft msl) (hg/L)			Depth to		Groundwater					Total	
Collected (feet) (ff msl) (ff sl) (ff sl)	Well		Water	Well Elevation	Elevation	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
11/08/02 7.30 2622.22 2614.92 <50	Number		(feet)		(ft msl)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)
05/13/03 6.74 2615.48 <50 <0.50 <0.50 <0.50 <0.50 <0.10 09/03/03 7.54 2614.68 <50 1	MW-1	11/08/02	7.30	2622.22	2614.92	<50	<0.50	<0.50	<0.50	<0.50	200
09/03/03 7.54 2614.68 < \$0 1] <0.50 <0.50 <0.10 12/29/03 7.34 2614.88 \$50 1] <0.50		05/13/03	6.74		2615.48	<50	<0.50	<0.50	<0.50	<1.0	25
12/29/03 7.34 2614.88 <50[1] <0.50 <0.50 <1.0 03/22/04 5.28 2616.94 <50[1]		09/03/03	7.54		2614.68	<50[1]	<0.50	<0.50	<0.50	<1.0	150
03/22/04 5.28 2616.94 <50[1] <0.50 <0.50 <1.0 06/02/04 6.57 2615.65 <50[1]		12/29/03	7.34		2614.88	<50[1]	<0.50	<0.50	<0.50	<1.0	55
06/02/04 6.57 2615.65 <50[1] <0.50 <0.50 <0.50 <1.0 08/31/04 7.69 6.90 2614.53 <50		03/22/04	5.28		2616.94	<50[1]	<0.50	<0.50	<0.50	<1.0	13
08/31/04 7.69 2614.53 <50 <0.50 <0.50 <1.0 12/03/04 6.90 2615.32 160 <0.50		06/02/04	6.57		2615.65	<50[1]	<0.50	<0.50	<0.50	<1.0	26
12/03/04 6.90 2615.32 160 <0.50 <0.50 <1.0 03/14/05 7.11 2615.11 <50		08/31/04	7.69		2614.53	<50	<0.50	<0.50	<0.50	<1.0	72
03/14/05 7.11 2615.11 <50 <0.50 <0.50 <0.50 06/03/05 7.23 2614.99 <50[1]		12/03/04	06.9		2615.32	160	<0.50	<0.50	<0.50	<1.0	72
06/03/05 7.23 2614.99 <50[1] <0.50 <0.50 <0.50 11/08/02 6.62 2621.40 2614.78 <50		03/14/05	7.11		2615.11	<50	<0.50	<0.50	<0.50	<0.50	27
11/08/02 6.62 2621.40 2614.78 <50 <0.50 <0.50 <0.50 05/13/03 6.12 2615.28 <50		06/03/05	7.23		2614.99	<50[1]	<0.50	<0.50	<0.50	<0.50	5.1
6.12 2615.28 <50	MW-2	11/08/02	6.62		2614.78	<50	<0.50	<0.50	<0.50	<0.50	91
6.33 2615.07 <50[1]		05/13/03	6.12		2615.28	<50	<0.50	<0.50	<0.50	<1.0	40
6.69 2614.71 <50[1]		09/03/03	6.33		2615.07	<50[1]	<0.50	<0.50	<0.50	<1.0	54
4.58 2616.82 <50[1]		12/29/03	69.9		2614.71	<50[1]	<0.50	<0.50	<0.50	<1.0	19
6.19 2615.21 <50[1]		03/22/04	4.58		2616.82	<50[1]	<0.50	<0.50	<0.50	<1.0	18
6.68 2614.72 <50		06/02/04	6.19		2615.21	<50[1]	<0.50	<0.50	<0.50	<1.0	<1.0
6.34 2615.06 56 <0.50		08/31/04	89.9		2614.72	<50	<0.50	<0.50	<0.50	<1.0	29
5.87 2615.53 <50		12/03/04	6.34		2615.06	99	<0.50	<0.50	<0.50	<1.0	24
5.71 2615.69 <50[1] <0.50 <0.50 <0.50 <0.50		03/14/05	5.87		2615.53	<50	<0.50	<0.50	<0.50	<0.50	9.6
		90/60/90	5.71		2615.69	<50[1]	<0.50	<0.50	<0.50	<0.50	0.9

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

		Depth to		Groundwater					Total	
Well	Date	Water	Well Elevation	Elevation	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
Number	Collected	(feet)	(ft msl)	(ft msl)	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$	(µg/L)	$(\mu g/L)$	$(\mu g/L)$
MW-3	11/08/02	6.58	2622.25	2615.67	<50	<0.50	<0.50	<0.50	<0.50	23
	05/13/03	6.43		2615.82	<50	<0.50	<0.50	<0.50	<1.0	14
	09/03/03	6.71		2615.54	<50[1]	<0.50	<0.50	<0.50	<1.0	19
	12/29/03	99.9		2615.59	<50[1]	<0.50	<0.50	<0.50	<1.0	24
	03/22/04	4.71		2617.54	<50[1]	<0.50	<0.50	<0.50	<1.0	16
	06/02/04	09.9		2615.65	<50[1]	<0.50	<0.50	<0.50	<1.0	15
	08/31/04	6.70		2615.55	<50	<0.50	<0.50	<0.50	<1.0	9.5
	12/03/04	6.53		2615.72	70	<0.50	<0.50	<0.50	<1.0	13
	03/14/05	6.45		2615.80	<50	<0.50	<0.50	<0.50	<0.50	12
	06/03/05	6.51		2615.74	<50[1]	<0.50	<0.50	<0.50	<0.50	111
MW-4	11/08/02	7.45	2623.40	2615.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/13/03	5.08		2618.32	<50	<0.50	<0.50	<0.50	<1.0	<0.50
	09/03/03	89.9		2616.72	<50[1]	<0.50	<0.50	<0.50	<1.0	<1.0
	12/29/03	7.51		2615.89	<50[1]	<0.50	<0.50	<0.50	<1.0	<1.0
	03/22/04	5.41		2617.99	<50[1]	<0.50	<0.50	<0.50	<1.0	<1.0
	06/02/04	60.9		2617.31	<50[1]	<0.50	<0.50	<0.50	<1.0	<1.0
	08/31/04	7.27		2616.13	<50	<0.50	<0.50	<0.50	<1.0	<1.0
	12/03/04	6.78		2616.62	<50	<0.50	<0.50	<0.50	<1.0	<1.0
	03/14/05	5.80		2617.60			Z	Not Sampled		
	06/03/05	5.32		2618.08	<50[1]	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

Well		nebrii io		Groundwater					Total	
Munch	Date	Water	Well Elevation	Elevation	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
Jagunn	Collected	(feet)	(ft msl)	(ft msl)	(µg/L)	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$
MW-5	11/08/02	86.9	2623.95	2616.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/13/03	6.16		2617.79	<50	<0.50	<0.50	<0.50	<1.0	<0.50
	09/03/03	6.61		2617.34	<50[1]	<0.50	<0.50	<0.50	<1.0	<1.0
	12/29/03	7.06		2616.89	<50[1]	<0.50	<0.50	<0.50	<1.0	<1.0
	03/22/04	5.01		2618.94	<50[1]	<0.50	<0.50	<0.50	<1.0	<1.0
	06/02/04	5.92		2618.03	<50[1]	<0.50	<0.50	<0.50	<1.0	<1.0
	08/31/04	7.17		2616.78	<50	<0.50	<0.50	<0.50	<1.0	<1.0
	12/03/04	09.9		2617.35	<50	<0.50	<0.50	<0.50	<1.0	<1.0
	03/14/05	5.55		2618.40			Ź	Not Sampled		
	90/03/02	5.52		2618.43	<50[1]	<0.50	<0.50	<0.50	<0.50	<0.50
Note: GRO = Gai GRO analy MTBE = N	Note: GRO = Gasoline Range Organics (C6-C12) GRO analyzed using EPA Method 8015B/80 MTBE = Methyl tertiary butyl ether [1] GRO analyzed using EPA Method 8260B	anics (C6-C12 Jethod 8015B. yl ether A Method 826	Note: GRO = Gasoline Range Organics (C6-C12) GRO analyzed using EPA Method 8015B/8015M and the remaining analytes using EPA Method 8260B MTBE = Methyl tertiary butyl ether [1] GRO analyzed using EPA Method 8260B	ing analytes using E	PA Method 8.	260B		msl = Mean sea level µg/L = micrograms per liter NM = Not measured NS = Not sampled NA = Not analyzed	per liter	

TABLE 2

GROUNDWATER ANALYTICAL RESULTS FOR OXYGENATES AND ADDITIONAL COMPOUNDS

	Date	TBA	MTBE	DIPE	ETBE	TAME	EDB	1,2-DCA
Well Number	Collected	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)
MW-1	11/08/02	<5.0	200	<0.50	<0.50	<0.50	NA	<2.0
	05/13/03	<5.0	25	<1.0	<1.0	<1.0	<5.0	<0.50
	09/03/03	<5.0	150	<1.0	<1.0	<1.0	NA	<1.0
	12/29/03	<10	55	<2.0	<2.0	<2.0	NA	<0.50
	03/22/04	<10	13	<2.0	<2.0	<2.0	NA	<0.50
	06/02/04	<10	26	<2.0	<2.0	<2.0	NA	<0.50
	08/31/04	<10	72	<2.0	<2.0	<2.0	N.A	<0.50
	12/03/04	<10	72	<2.0	<2.0	<2.0	NA	<0.50
	03/14/05	<5.0	27	<0.50	<0.50	<0.50	NA	<0.50
	06/03/05	<5.0	5.1	<0.50	<0.50	<0.50	NA	<0.50
MW-2	11/08/02	<5.0	91	<0.50	<0.50	<0.50	NA A	<2.0
	05/13/03	<5.0	40	<1.0	<1.0	<1.0	<5.0	<0.50
	09/03/03	<5.0	54	<1.0	<1.0	<1.0	NA	<1.0
	12/29/03	<10	19	<2.0	<2.0	<2.0	NA AN	<0.50
	03/22/04	<10	18	<2.0	<2.0	<2.0	NA	<0.50
	06/02/04	<10	<1.0	<2.0	<2.0	<2.0	NA	<0.50
	08/31/04	<10	29	<2.0	<2.0	<2.0	NA	<0.50
	12/03/04	<10	24	<2.0	<2.0	<2.0	NA	<0.50
	03/14/05	<5.0	9.6	<0.50	<0.50	<0.50	NA	<0.50
	06/03/05	<5.0	0.9	<0.50	<0.50	<0.50	Z	<0.50

TABLE 2

GROUNDWATER ANALYTICAL RESULTS FOR OXYGENATES AND ADDITIONAL COMPOUNDS

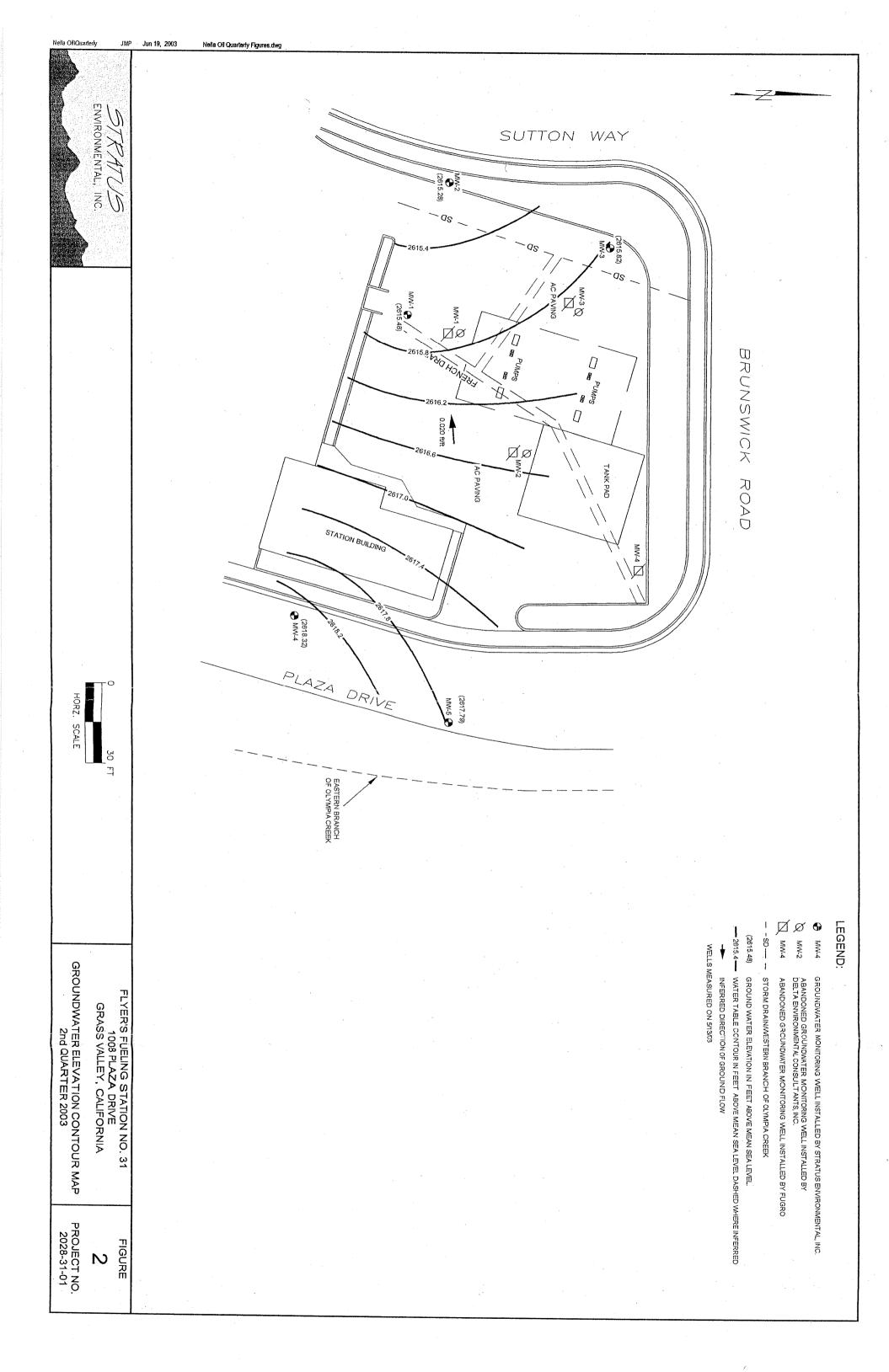
	Date	TBA	MTBE		ETBE	TAME	EDB	1,2-DCA
Well Number	Collected	$(\mu g/L)$	(μg/L)		$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$
MW-3	11/08/02	<5.0	23		<0.50	<0.50	NA	<2.0
	05/13/03	<5.0	14		<1.0	<1.0	<5.0	<0.50
	09/03/03	<5.0	19		<1.0	<1.0	NA	<1.0
	12/29/03	<10	24		<2.0	<2.0	NA AN	<0.50
	03/22/04	<10	16		<2.0	<2.0	Y'A	<0.50
	06/02/04	<10	15		<2.0	<2.0	NA	<0.50
	08/31/04	<10	9.5		<2.0	<2.0	NA	<0.50
	12/03/04	<10	13		<2.0	<2.0	NA	<0.50
	03/14/05	<5.0	12		<0.50	<0.50	NA	<0.50
	06/03/05	<5.0	11		<0.50	<0.50	NA	<0.50
MW-4	11/08/02	0.55	05 0>	0 5 0	<0.50	0 5 0 >	V.	
	05/13/03	<5.0	05 0>		\$ \frac{1}{2}	> .:.>	7.5.7 O \$ >	0.50
	09/03/03	<5.0	<1.0		<1.0	\$\frac{1}{2}\$	S Z	0°.1>
	12/29/03	<10	<1.0		<2.0	<2.0	NA	<0.50
	03/22/04	<10	<1.0		<2.0	<2.0	NA	<0.50
	06/02/04	<10	<1.0		<2.0	<2.0	NA	<0.50
	08/31/04	<10	<1.0		<2.0	<2.0	NA	<0.50
	12/03/04	<10	<1.0		<2.0	<2.0	NA	<0.50
	03/14/05				Not Sampled			
	06/03/05	<5.0	<0.50	<0.50	<0.50	<0.50	Ϋ́Z	<0.50

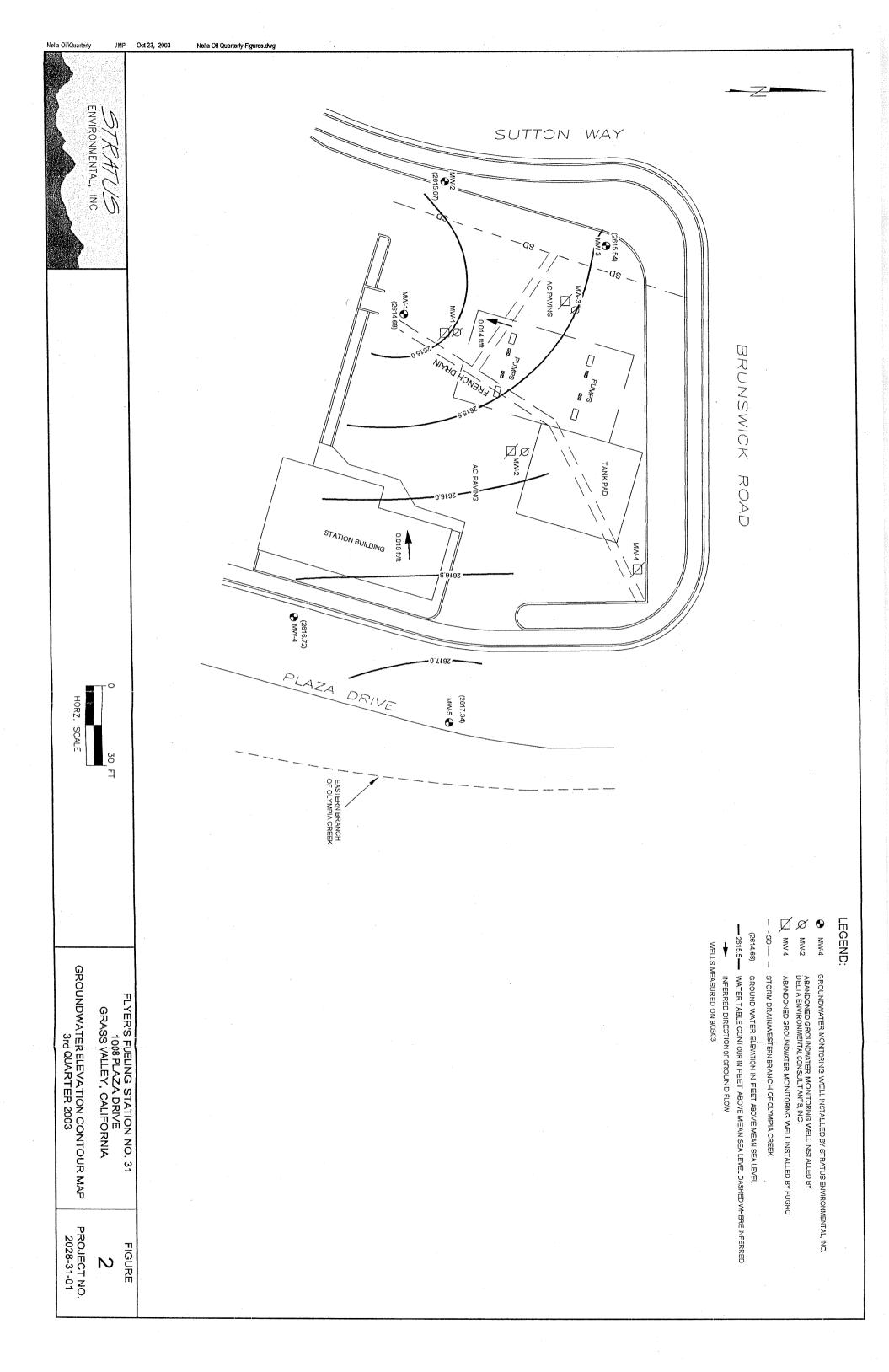
TABLE 2

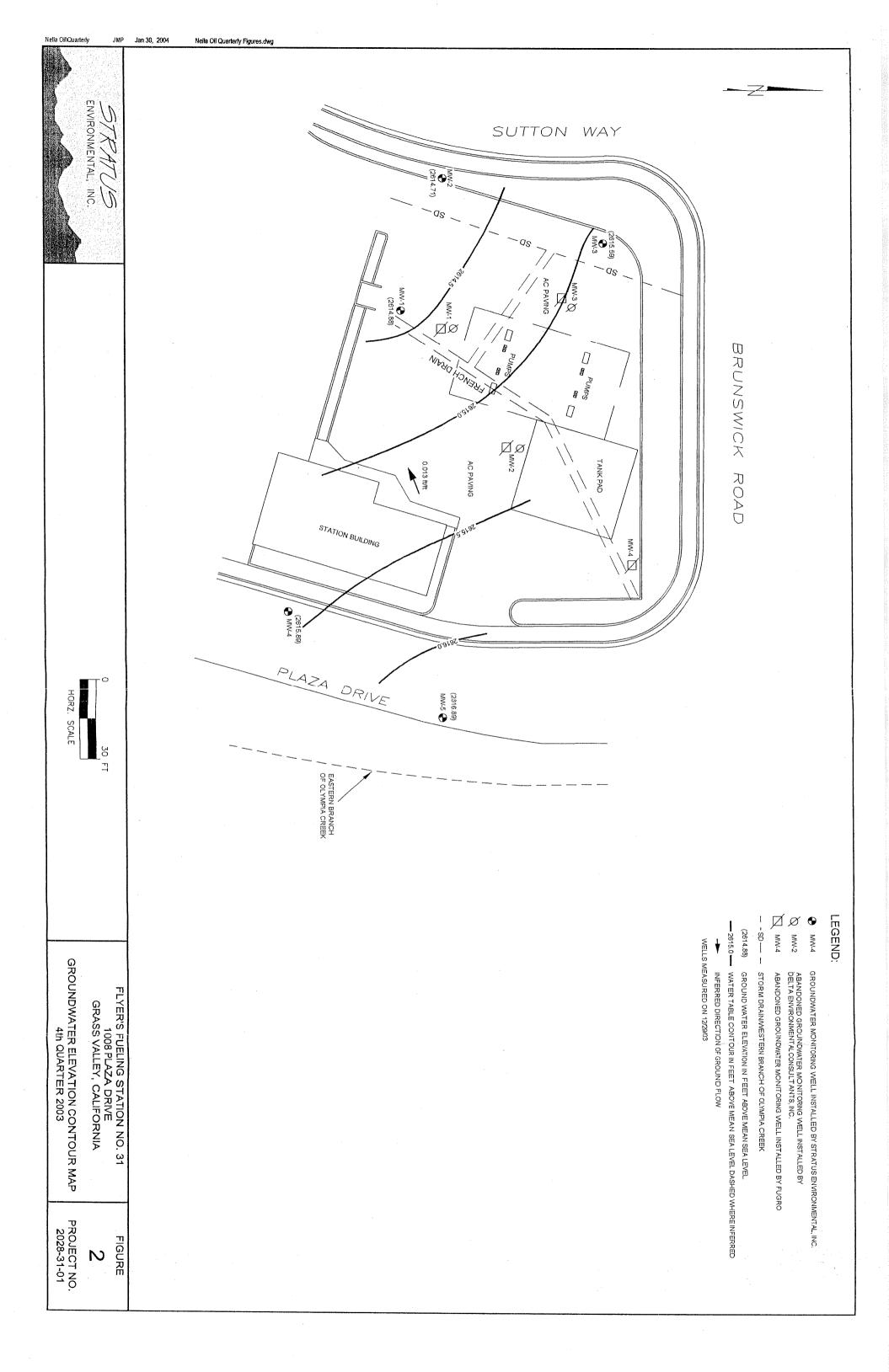
GROUNDWATER ANALYTICAL RESULTS FOR OXYGENATES AND ADDITIONAL COMPOUNDS

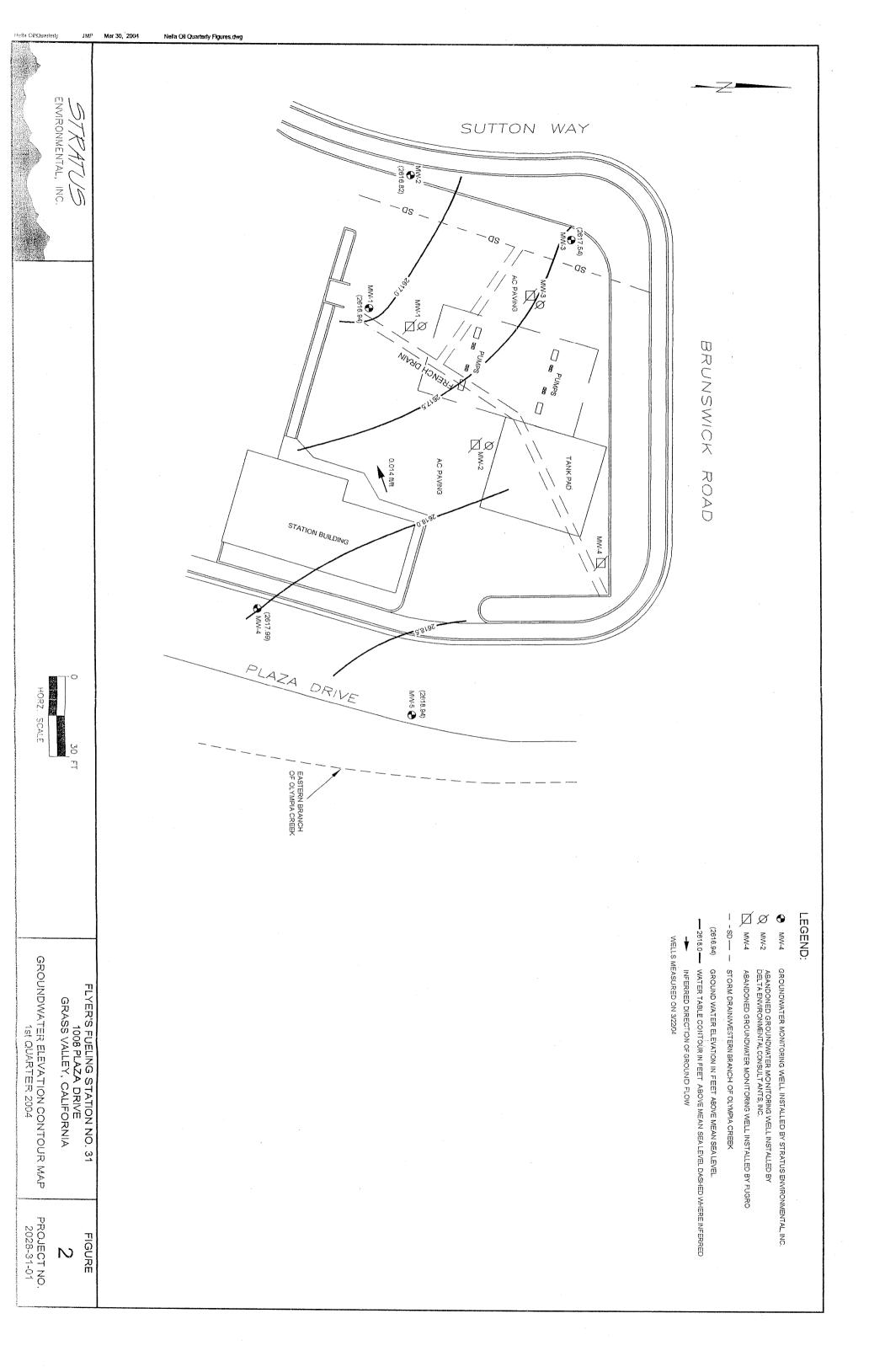
	Date	TBA	MTBE	DIPE	ETBE	TAME	EDB	1,2-DCA
Well Number	Collected	(μg/L)	(µg/L)	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$	$(\mu g/L)$
MW-5	11/08/02	<5.0	<0.50	<0.50	<0.50	<0.50	NA	<2.0
	05/13/03	<5.0	<0.50	<1.0	<1.0	<1.0	<5.0	<0.50
	09/03/03	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0
	12/29/03	<10	<1.0	<2.0	<2.0	<2.0	NA	<0.50
	03/22/04	<10	<1.0	<2.0	<2.0	<2.0	NA	<0.50
	06/02/04	<10	<1.0	<2.0	<2.0	<2.0	NA	<0.50
	08/31/04	<10	<1.0	<2.0	<2.0	<2.0	NA	<0.50
	12/03/04	<10	<1.0	<2.0	<2.0	<2.0	NA	<0.50
	03/14/05				Not Sampled			
	06/03/05	<5.0	<0.50	<0.50	<0.50	<0.50	NA	<0.50
Note:								
μg/L = micrograms per liter	per liter				TBA = Tertiary butyl alcohol	l alcohol		
Oxygenates and Add	Oxygenates and Additional Compounds analyzed usir	alyzed using EPA Me	ig EPA Method 8260B		MTBE = Methyl tertiary butyl ether	iary butyl ether		
					DIPE = Di-isopropyl ether	ether		
NS = Not sampled					ETBE = Ethyl tertiary butyl ether	y butyl ether		
NA = Not analyzed					TAME = Tertiary amyl methyl ether	nyl methyl ether		
					EDB = 1,2-Dibromoethane	ethane		
					1,2-DCA = 1,2-Dichloroethane	loroethane		

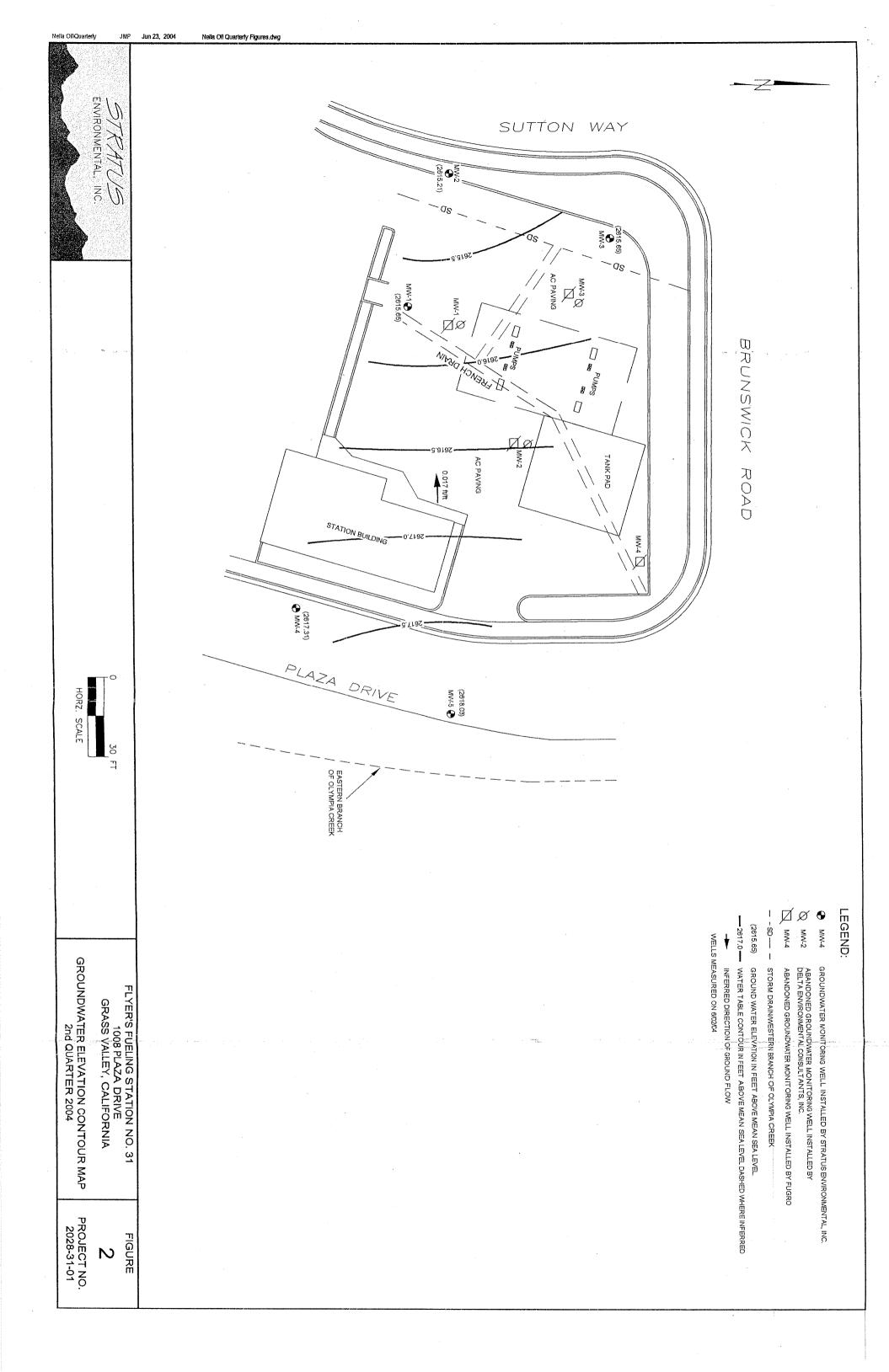
ATTACHMENT 6

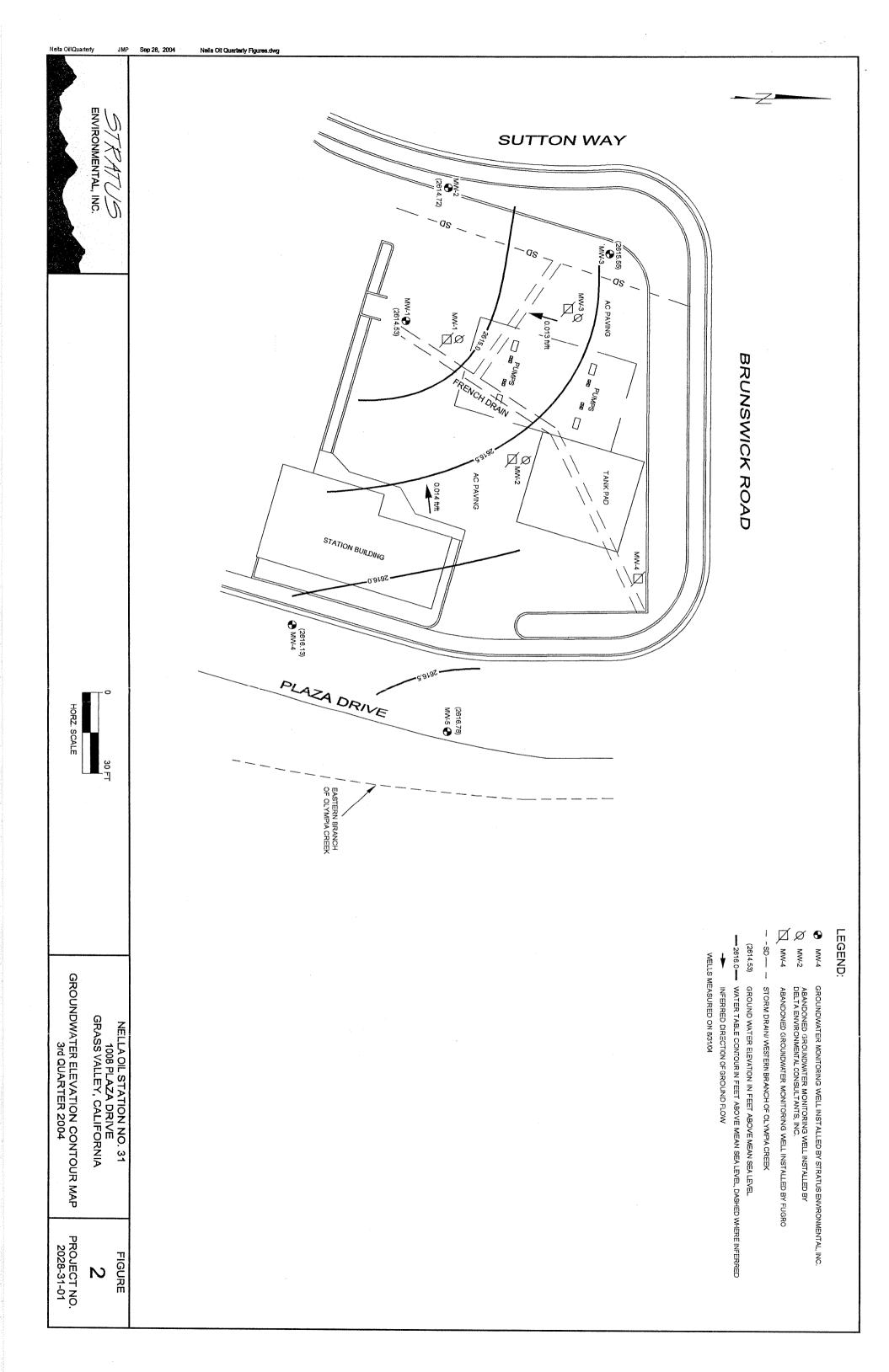


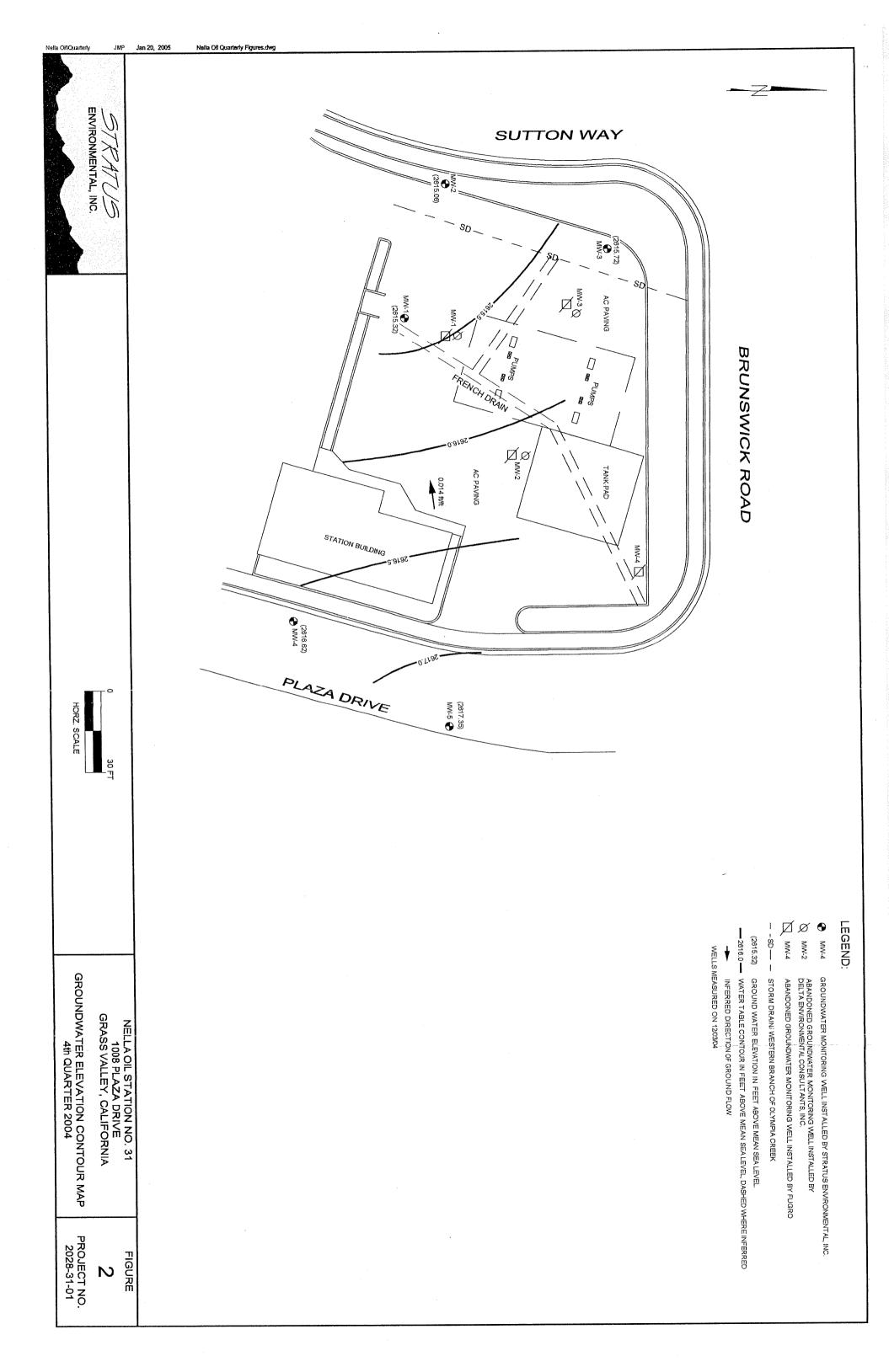


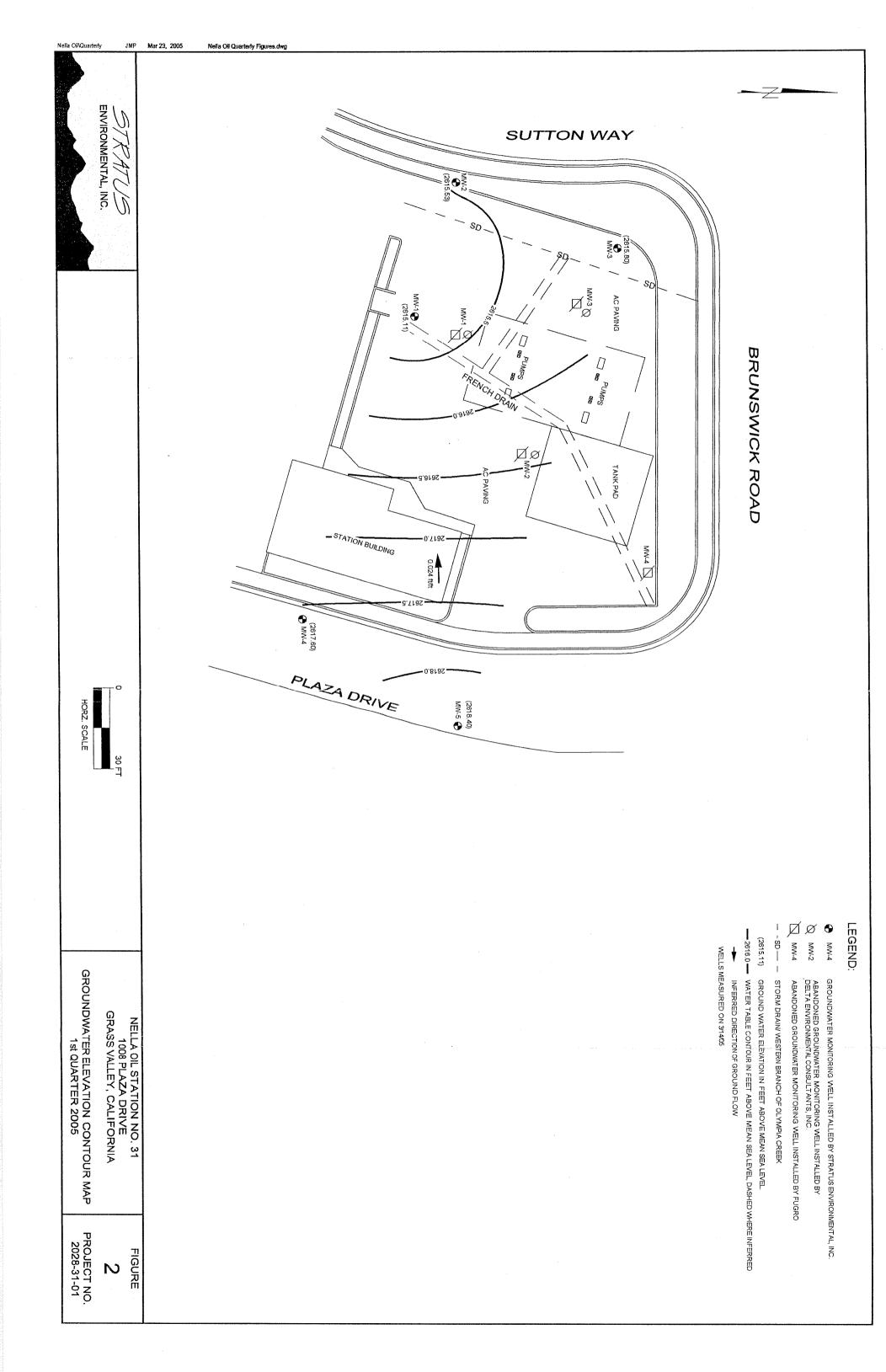


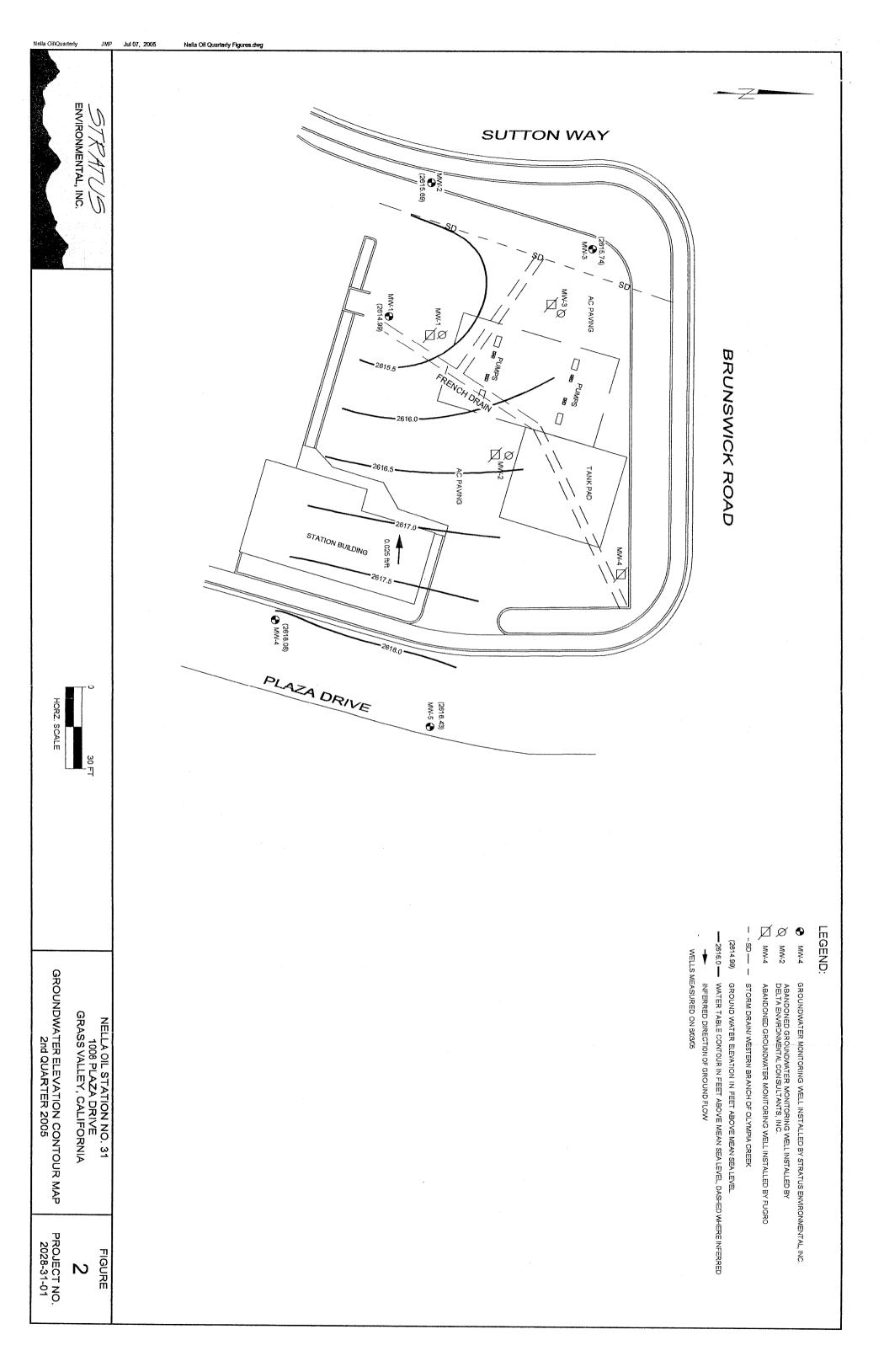








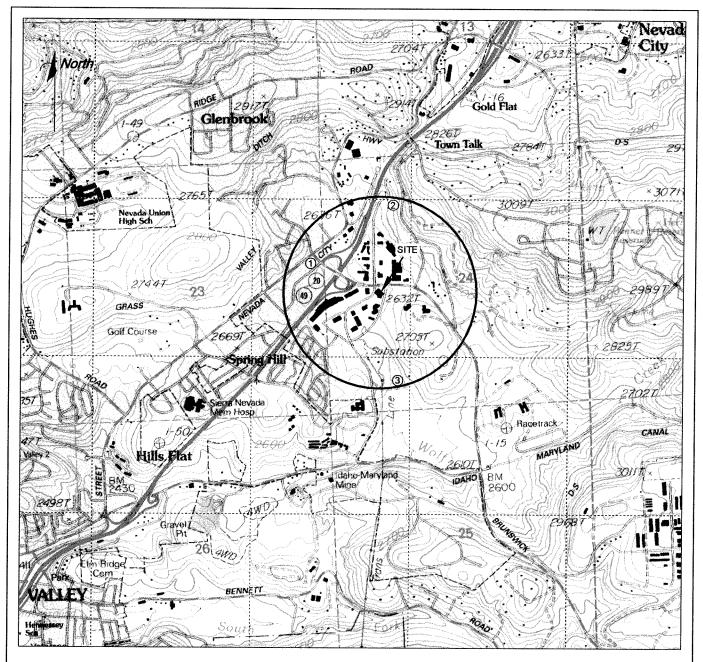




ATTACHMENT 7

NELLA OIL FACILITY 31 1008 PLAZA DRIVE, GRASS VALLEY, CALIFORNIA WATER WELL SURVEY RESULTS

MAP ID NO.	OWNER	LOCATION	USE	CAPACITY	тотаг рертн	CAPACITY TOTAL DEPTH SCREEN INTERVAL	SANITARY
				(GPM)	(FEET BGS)	(FEET BGS)	SEAL
1	CIC Construction	50 ft. east of Nevada City Highway, 400 ft. south of Brunswick Road.	unknown	09	225	55 to 75	yes
2	Richard Kinney	East of Sutton Way, near the northern end of road	domestic	7	9	30 to 50	yes
\$	Francis Teut	East of Sutton Way, approximately 2,000 feet south of Brunswick Road	domestic	5.5	400	open bottom	yes
Data obtained	from California Department	Data obtained from California Department of Water Resources Central District	,				



GENERAL NOTES: BASE MAP FROM U.S.G.S. NEVADA CITY, CA 7.5 MINUTE TOPOGRAPHIC PHOTOREVISED 1980

LEGEND

(1) WATER SUPPLY WELL LOCATION BASED ON INFORMATION PROVIDED BY DWR IN WELL DRILLER'S REPORT





STRATUS ENVIRONMENTAL, INC.

NELLA OIL STATION NO. 31 12008 PLAZA DRIVE GRASS VALLEY, CALIFORNIA SITE LOCATION MAP FIGURE

1
PROJECT NO. 2028-31-1